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## NOTICE OF ALLOWANCE AND FEE(S) DUE

22443

7590

04/22/200

LAW OFFICE OF MONICA H CHOI P O BOX 3424 DUBLIN, OH 430160204 EXAMINER NGUYEN, HIEN N

ART UNIT CLASS-SUBCLASS

2824

365-185280

DATE MAILED: 04/22/2003

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/991,245	11/14/2001	Sunil Mehta	01-44	4907

TITLE OF INVENTION: ZERO-POWER PROGRAMMABLE MEMORY CELL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$0	\$1300	07/22/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231

Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

maintenance fee notification	S.	те т			ress, and or (b) indicating a sepa	•
	90 04/22/200	rk-up with any corrections or use I	Block 1)	ree(s) transmi	te of mailing can only be used for ttal. This certificate cannot	be used for any other
LAW OFFICE OF MONICA H CHOI				accompanying p	papers. Each additional paper, s must have its own certificate of n	such as an assignment or
P O BOX 3424		101				
DUBLIN, OH 4301	160204			I hereby certify	Certificate of Mailing or Trans that this Fee(s) Transmittal is	haing denocited with the
				envelope address	stal Service with sufficient posta sed to the Box Issue Fee address e USPTO, on the date indicated b	ge for first class mail in an
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	FID	T MANCE BUILD	707		
09/991,245	11/14/2001	. FIRS	ST NAMED INVEN	IOK	ATTORNEY DOCKET NO.	CONFIRMATION NO.
TITLE OF INVENTION: ZE		MMABLE MEMORY C	Sunil Mehta		01-44	4907
		anni ibbb mismort C	LLL			
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBL	CATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300		\$0	\$1300	07/22/2003
EXAMIN	IER	ART UNIT	CLASS-SUBC	ASS		
NGUYEN, I	HIEN N	2824	365-18528			
I. Change of corresponden	an address or indication	-CUE A 11 11 (27	1			
CFR 1.363).	ce address of indication	or "ree Address" (37	2. For printing the names of u	on the patent from	nt page, list (1)	
☐ Change of corresponde Address form PTO/SB/12	nce address (or Change	of Correspondence	the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered			
			attorney or age	ving as a member ent) and the name	er a registered es of up to 2 2	
☐ "Fee Address" indication PTO/SB/47; Rev 03-02 of Number is required.	or more recent) attached.	ication form Use of a Customer	registered pater	t attorneys or ager	nts. If no name	
3. ASSIGNEE NAME AND	PESIDENCE DATA TO	O DE BRINTED ON THE			· · · · · · · · · · · · · · · · · · ·	
PLEASE NOTE: Unless ar	n assignee is identified b	elow no seciones doto w			assignee data is only appropriat	
		s submitted under separate	cover. Completio	n or ans tour is id-	Of a substitute for filing an assig	e when an assignment has inment.
(A) NAME OF ASSIGNER	3	(B) RE	SIDENCE: (CITY	and STATE OR (	COUNTRY)	
Please check the appropriate	assignee category or cat	egories (will not be printed	d on the motout)	D individual	Daniel	
4a. The following fee(s) are	enclosed:		ment of Fee(s):	u individual	Corporation or other private gr	roup entity  government
☐ Issue Fee				of the fee(s) is end	closed.	
☐ Publication Fee			☐ Payment by credit card. Form PTO-2038 is attached.			
☐ Advance Order - # of Co	opies		the Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to sit Account Number(enclose an extra copy of this form).			
		Deposi	t Account Numbe		enclose an extra copy of this	form).
Commissioner for Fatelits Is	requested to apply the is	sue ree and Publication Fo	ee (if any) or to re	apply any previou	usly paid issue fee to the applicati	ion identified above.
(Authorized Signature)		(Date)	<del></del>			
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NOTE; The Issue Fee and other than the applicant; a interest as shown by the rec	registered attorney or cords of the United States	agent; or the assignee of Patent and Trademark Of	r other party in ffice.			
This collection of informat obtain or retain a benefit by application. Confidentiality estimated to take 12 minut completed application for case. Any comments on suggestions for reducing the Patent and Trademark Offin NOT SEND FEES OR Commissioner for Patents,	tion is required by 37 C by the public which is t is governed by 35 U.S.	FR 1.311. The information of file (and by the USPTC 1.122 and 37 CFR 1.14. T	on is required to to process) an This collection is			
Commissioner for ratents,	wasnington, DC 20231.					

TRANSMIT THIS FORM WITH FEE(S)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



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09/991,245	11/14/2001	Sunil Mehta	01-44	4907
22443	7590 04/22/2003		EXAMIN	ER
LAW OFFICE P O BOX 3424	OF MONICA H CHOI		NGUYEN, I	HIEN N
DUBLIN, OH 4	30160204		ART UNIT	PAPER NUMBER
			2824	
			DATE MAILED: 04/22/2003	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 98 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 98 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.



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DUBLIN, OH 4	30160204		ART UNIT	PAPER NUMBER
			2824	
			DATE MAILED: 04/22/2003	

## Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003: Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

			<i>y</i>
•	Application No.	Applicant(s)	
Notice of Allowability	09/991,245	MEHTA ET AL.	
	Examiner	Art Unit	
	Hien N Nguyen	2824	
The MAILING DATE of this communication at All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOLNOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.  1. This communication is responsive to  2. The allowed claim(s) is/are 1-31.  3. The drawings filed on 64 January 2002 are accepted by	IS (OR REMAINS) CLOSED in this 85) or other appropriate communical RIGHTS. This application is subjected and MPEP 1308.	s application. If not included	<b>T</b> !!!0
a) ☐ All b) ☐ Some* c) ☐ None of the:	under 35 U.S.C. § 119(a)-(d) or (f).		
Certified copies of the priority documents h     Certified copies of the priority documents h			
Certified copies of the priority documents hat a Copies of the certified copies of the priority International Bureau (PCT Rule 17.2(a))     * Certified copies not received:  Acknowledgment is made of a claim for domestic priority.	documents have been received in a	this national stage application t	from the
(a) The translation of the foreign language provisions	al application has been received	visional application).	
6. Acknowledgment is made of a claim for domestic priority	y under 35 U.S.C. §§ 120 and/or 12	1.	
Applicant has THREE MONTHS FROM THE "MAILING DATE" below. Failure to timely comply will result in ABANDONMENT  7.  A SUBSTITUTE OATH OR DECLARATION must be su INFORMAL PATENT APPLICATION (PTO-152) which gives re	bmitted Note the attached EXAMIN	MONTH PERIOD IS NOT EXT	ENDABLE.
8. CORRECTED DRAWINGS must be submitted.			
(a) ☐ including changes required by the Notice of Draftsp  1) ☐ hereto or 2) ☐ to Paper No	person's Patent Drawing Review ( P	TO-948) attached	
(b) including changes required by the proposed drawing	g correction filed, which ha	s been approved by the Fxam	iner
(c) including changes required by the attached Examin	er's Amendment / Comment or in t	ne Office action of Paper No.	
Identifying indicia such as the application number (see 37 CFF of each sheet The drawings should be filed as a separate page	R 1 84(c)) should be written on the de		
<ol> <li>DEPOSIT OF and/or INFORMATION about the department of the department of</li></ol>	POSIT OF BIOLOGICAL MATERIA THE DEPOSIT OF BIOLOGICAL	L must be submitted. Note t MATERIAL.	:he
Attachment(s)			
1⊠ Notice of References Cited (PTO-892) 3□ Notice of Draftperson's Patent Drawing Review (PTO-948) 5⊠ Information Disclosure Statements (PTO-1449), Paper No. 7□ Examiner's Comment Regarding Requirement for Deposit of Biological Material	4☐ Interview Sur 2. 6☐ Examiner's A	rmal Patent Application (PTO- nmary (PTO-413), Paper No mendment/Comment tatement of Reasons for Allowa Report	·
		Vu A. Le	
		ary Examiner	

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Application/Control Number: 09/991,245

Art Unit: 2824

## **Reason for Allowance**

The following is an examiner's statement of reasons for allowance:

Prior art, alone or in combination, fail to teach a structure of an electrically erasable and programmable zero-power memory cell comprising a first and second voltage generators which are variable voltage generators that apply a positive voltage at the respective source of each of the P-channel and N-channel sense transistors during an erase operation and/or that apply a ground or negative voltage at the respective source of each of the P-channel and N-channel sense transistors during a programming operation such that the P-channel and N-channel sense transistors do not erroneously turn on to dissipate power during a programming operation to ensure a device is a zero-power memory cell as disclosed specifically in claims 1-31.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hien N Nguyen whose telephone number is (703)-308-4888. The examiner can normally be reached on Monday through Thursday 9:30 AM to 7:00 PM..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on (703) 308-2816. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-5833.

H. Nguyen

Vu A. Le Primary Examiner